

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:
ECONOMIC SUPPLY OPTIMIZATION SYSTEM
 the specification of which

X is attached hereto
 was filed on _____ as Application Serial No. _____
 and was amended on _____ (if applicable).
 I hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC. of 485 Seventh Avenue, New York, New York 10018
 to insert here in parentheses (Application number _____, filed _____) the filing date
 and application number of said application when known.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is known to me to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56.

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PRIOR APPLICATION(S)

Priority claimed

| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
|----------|-----------|------------------------|-----|----|
| | | | | |
| | | | | |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

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Send correspondence to: outside counsel attorney
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Full name of sole or first
 Inventor Steve Abbott Stephen L. Abbott
 Inventor's signature Stephen L. Abbott
 Date 01-19-01
 Residence (city) New Canaan, (state or country) Connecticut
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 Post Office Address: 377 Main Street, #2, New Canaan, CT 06840,
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Full name of joint
 Inventor, if any William E. Dickey
 Second Inventor's signature _____
 Date _____
 Residence (city) Wappingers Falls, (state or country) New York
 Citizenship U.S.A.
 Post Office Address: 193 Town View Drive, Wappinger Falls, NY
12590, U.S.A.

75 Oak Street
Wellesley, MA 02482

SLA 01-19-01

Full name of joint
Inventor, if any William F. Holden, Jr.

Third Inventor's signature _____
Date _____
Residence (city) Shell Lake, (state or country) Wisconsin
Citizenship U.S.A.
Post Office Address: 23821 Azorah Lane, Shell Lake, WI 54871,
U.S.A.

Full name of joint
Inventor Larry M. Leibovich

Fifth Inventor's signature _____
Date _____
Residence (city) Rochester, (state or country) Minnesota
Citizenship U.S.A.
Post Office Address: 4015 Windsor Hills Ln SW., Rochester, MN
55902, U.S.A.

Full name of joint
Inventor, if any Joseph V. Stehle

Seventh Inventor's signature _____
Date _____
Residence (city) Trafford, (state or country) Pennsylvania
Citizenship U.S.A.
Post Office Address: 312 Meadowbrook Road, Trafford, PA, 15085
U.S.A.

Full name of joint
Inventor, if any Ronald A. Warfel

Ninth Inventor's signature _____
Date _____
Residence (city) Duncannon, (state or country) Pennsylvania
Citizenship U.S.A.
Post Office Address: 124 Barley Drive, Duncannon, PA 17020,
U.S.A.

Full name of joint
Inventor, if any Yung-Joon Lee

Fourth Inventor's signature _____
Date _____
Residence (city) Cambridge, (state or country) Massachusetts
Citizenship U.S.A.
Post Office Address: 812 Memorial Drive, Apt # 1102, Cambridge,
MA 02139

Full name of joint
Inventor, if any Kevin P. O'Connor

Sixth Inventor's signature _____
Date _____
Residence (city) Hyde Park, (state or country) New York
Citizenship U.S.A.
Post Office Address: 15 Stoutenburgh Drive, Hyde Park, NY
12538, U.S.A.

Full name of joint
Inventor, if any Pitipong Veerakamolmal

Eighth Inventor's signature _____
Date _____
Residence (city) Boston, (state or country) Massachusetts
Citizenship U.S.A.
Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.

Full name of joint
Inventor, if any _____

Tenth Inventor's signature _____
Date _____
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Citizenship _____
Post Office Address: _____

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 Date _____
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 Post Office Address: 377 Main Street, #2, New Canaan, CT 06840,
U.S.A.

Full name of joint
 Inventor, if any William E. Dickey
 Second Inventor's signature William E. Dickey
 Date 2-3-2001
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 Citizenship U.S.A.
 Post Office Address: 193 Town View Drive, Wappinger Falls, NY
12590, U.S.A.

Full name of joint
Inventor, if any William F. Holden, Jr.

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Citizenship U.S.A.
Post Office Address: 124 Barley Drive, Duncannon, PA 17020,
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Full name of joint
Inventor, if any Yung-Joon Lee

Fourth Inventor's signature _____
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Post Office Address: 812 Memorial Drive, Apt # 1102, Cambridge,
MA 02139

Full name of joint
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Full name of joint
 Inventor, if any William E. Dickey

Inventor's signature _____
 Date _____

Second Inventor's signature _____
 Date _____

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Post Office Address: 193 Town View Drive, Wappinger Falls, NY
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Full name of joint
Inventor, if any William F. Hoidan, Jr.

Third Inventor's signature [Signature]
Date 2-1-2001
Residence (city) Shell Lake, (state or country) Wisconsin
Citizenship U.S.A.
Post Office Address: 23821 Azorah Lane, Shell Lake, WI 54871,
U.S.A.

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Fifth Inventor's signature _____
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Citizenship U.S.A.
Post Office Address: 4015 Windsor Hills Ln SW., Rochester, MN
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Full name of joint
Inventor, if any Pitipong Veerakamolmal

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Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.

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Full name of joint

Inventor, if any William E. Dickey

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Citizenship _____
Post Office Address: _____

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 00000000 | 00000001 | 00000010 | 00000011 | 00000100 | 00000101 | 00000110 | 00000111 | 00001000 | 00001001 | 00001010 | 00001011 | 00001100 | 00001101 | 00001110 | 00001111 | 00010000 | 00010001 | 00010010 | 00010011 | 00010100 | 00010101 | 00010110 | 00010111 | 00011000 | 00011001 | 00011010 | 00011011 | 00011100 | 00011101 | 00011110 | 00011111 | 00100000 | 00100001 | 00100010 | 00100011 | 00100100 | 00100101 | 00100110 | 00100111 | 00101000 | 00101001 | 00101010 | 00101011 | 00101100 | 00101101 | 00101110 | 00101111 | 00110000 | 00110001 | 00110010 | 00110011 | 00110100 | 00110101 | 00110110 | 00110111 | 00111000 | 00111001 | 00111010 | 00111011 | 00111100 | 00111101 | 00111110 | 00111111 | 01000000 | 01000001 | 01000010 | 01000011 | 01000100 | 01000101 | 01000110 | 01000111 | 01001000 | 01001001 | 01001010 | 01001011 | 01001100 | 01001101 | 01001110 | 01001111 | 01010000 | 01010001 | 01010010 | 01010011 | 01010100 | 01010101 | 01010110 | 01010111 | 01011000 | 01011001 | 01011010 | 01011011 | 01011100 | 01011101 | 01011110 | 01011111 | 01100000 | 01100001 | 01100010 | 01100011 | 01100100 | 01100101 | 01100110 | 01100111 | 01101000 | 01101001 | 01101010 | 01101011 | 01101100 | 01101101 | 01101110 | 01101111 | 01110000 | 01110001 | 01110010 | 01110011 | 01110100 | 01110101 | 01110110 | 01110111 | 01111000 | 01111001 | 01111010 | 01111011 | 01111100 | 01111101 | 01111110 | 01111111 | 10000000 | 10000001 | 10000010 | 10000011 | 10000100 | 10000101 | 10000110 | 10000111 | 10001000 | 10001001 | 10001010 | 10001011 | 10001100 | 10001101 | 10001110 | 10001111 | 10010000 | 10010001 | 10010010 | 10010011 | 10010100 | 10010101 | 10010110 | 10010111 | 10011000 | 10011001 | 10011010 | 10011011 | 10011100 | 10011101 | 10011110 | 10011111 | 10100000 | 10100001 | 10100010 | 10100011 | 10100100 | 10100101 | 10100110 | 10100111 | 10101000 | 10101001 | 10101010 | 10101011 | 10101100 | 10101101 | 10101110 | 10101111 | 10110000 | 10110001 | 10110010 | 10110011 | 10110100 | 10110101 | 10110110 | 10110111 | 10111000 | 10111001 | 10111010 | 10111011 | 10111100 | 10111101 | 10111110 | 10111111 | 11000000 | 11000001 | 11000010 | 11000011 | 11000100 | 11000101 | 11000110 | 11000111 | 11001000 | 11001001 | 11001010 | 11001011 | 11001100 | 11001101 | 11001110 | 11001111 | 11010000 | 11010001 | 11010010 | 11010011 | 11010100 | 11010101 | 11010110 | 11010111 | 11011000 | 11011001 | 11011010 | 11011011 | 11011100 | 11011101 | 11011110 | 11011111 | 11100000 | 11100001 | 11100010 | 11100011 | 11100100 | 11100101 | 11100110 | 11100111 | 11101000 | 11101001 | 11101010 | 11101011 | 11101100 | 11101101 | 11101110 | 11101111 | 11110000 | 11110001 | 11110010 | 11110011 | 11110100 | 11110101 | 11110110 | 11110111 | 11111000 | 11111001 | 11111010 | 11111011 | 11111100 | 11111101 | 11111110 | 11111111 |

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:
ECONOMIC SUPPLY OPTIMIZATION SYSTEM
 the specification of which

X is attached hereto
 was filed on _____ as Application Serial No. _____
 and was amended on _____ (if applicable).
 I hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC. of 485 Seventh Avenue, New York, New York 10018
 to insert here in parentheses (Application number _____, filed _____) the filing date
 and application number of said application when known.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is known to me to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign and/or provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign and/or provisional application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR APPLICATION(S)

Priority claimed

| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
|----------|-----------|------------------------|-------|-------|
| _____ | _____ | _____ | _____ | _____ |
| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|-----------------------------|---------------|---|
| (Application Serial Number) | (Filing Date) | (Status) (patented, pending, abandoned) |
| _____ | _____ | _____ |
| (Application Serial Number) | (Filing Date) | (Status) (patented, pending, abandoned) |
| _____ | _____ | _____ |

As a named inventor I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith as follows:

Manny W. Schechter, Registration No. 31,722, Lauren C. Bruzzone, Registration No. 35,082, Christopher A. Hughes, Registration No. 26,914, Edward A. Pennington, Registration No. 32,588, John E. Hoel, Registration No. 26,279, Joseph C. Redmond, Jr., Registration No. 18,753, Richard M. Ludwin, Registration No. 33,010, Douglas W. Cameron, Registration No. 31,596, Stephen C. Kaufman, Registration No. 29,551, Marian Underweiser, Registration No. 46,134, Wayne L. Ellenbogen, Registration No. 43,602, Robert M. Trepp, Registration No. 25,933, Louis P. Herzberg, Registration No. 41,500, Louis J. Percello, Registration No. 33,206, Paul J. Otterstedt, Registration No. 37,411, Daniel P. Morris, Registration No. 32,053, David M. Shofi, Registration No. 39,835 and Marc A. Ehrlich, Registration No. 39,966.

Send correspondence to: outside counsel attorney
 Direct Telephone Calls to: outside counsel attorney

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first
 Inventor Steve Abbott

Full name of joint
 Inventor, if any William E. Dickey

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Second Inventor's signature _____
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Full name of joint
Inventor, if any William F. Holden, Jr.

Third Inventor's signature _____
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Full name of joint
Inventor Larry M. Leibovich

Fifth Inventor's signature Larry M Leibovich
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Full name of joint
Inventor, if any Ronald A. Warfel

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Full name of joint
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Full name of joint
Inventor, if any Pitipong Veerakamolmal

Eighth Inventor's signature _____
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Citizenship U.S.A.
Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.

Full name of joint
Inventor, if any _____

Tenth Inventor's signature _____
Date _____
Residence (city) _____, (state or country) _____
Citizenship _____
Post Office Address: _____

035000067 034404

DECLARATION AND POWER OF ATTORNEY

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I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ECONOMIC SUPPLY OPTIMIZATION SYSTEM

the specification of which

☒ is attached hereto
 _____ was filed on _____ as Application Serial No. _____
 _____ and was amended on _____ (if applicable).
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 and application number of said application when known.

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| PRIOR APPLICATION(S) | | | Priority claimed | |
|----------------------|-----------|------------------------|------------------|-------|
| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
| _____ | _____ | _____ | _____ | _____ |
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| | |
|---|--|
| Full name of sole or first Inventor <u>Steve Abbott</u> | Full name of joint Inventor, if any <u>William E. Dickey</u> |
| Inventor's signature _____ | Second Inventor's signature _____ |
| Date _____ | Date _____ |
| Residence (city) <u>New Canaan</u> , (state or country) <u>Connecticut</u> | Residence (city) <u>Wappingers Falls</u> , (state or country) <u>New York</u> |
| Citizenship <u>U.S.A.</u> | Citizenship <u>U.S.A.</u> |
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Full name of joint
Inventor, if any William F. Holden, Jr.

Third Inventor's signature _____
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U.S.A.

Full name of joint
Inventor Larry M. Leibovich

Fifth Inventor's signature _____
Date _____
Residence (city) Rochester, (state or country) Minnesota
Citizenship U.S.A.
Post Office Address: 4015 Windsor Hills Ln SW., Rochester, MN
55902, U.S.A.

Full name of joint
Inventor, if any Joseph V. Stehle

Seventh Inventor's signature _____
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Citizenship U.S.A.
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Inventor, if any Yung-Joon Lee

Fourth Inventor's signature /
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MA 02139

Full name of joint
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Sixth Inventor's signature [Signature]
Date 02/26/2008
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Full name of joint
Inventor, if any Pitipong Veerakamolmal

Eighth Inventor's signature _____
Date _____
Residence (city) Boston, (state or country) Massachusetts
Citizenship U.S.A.
Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.

Full name of joint
Inventor, if any _____

Tenth Inventor's signature _____
Date _____
Residence (city) _____, (state or country) _____
Citizenship _____
Post Office Address: _____

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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

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 the specification of which

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| | |
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| Inventor's signature _____ | Second Inventor's signature _____ |
| Date _____ | Date _____ |
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Full name of joint
Inventor, if any Joseph V. Stehle

Seventh Inventor's signature Joseph V. Stehle
Date Jan 16, 2001
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Full name of joint
Inventor, if any Ronald A. Warfel

Ninth Inventor's signature _____
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Full name of joint
Inventor, if any Yung-Joon Lee

Fourth Inventor's signature _____
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Full name of joint
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Residence (city) _____, (state or country) _____
Citizenship _____
Post Office Address: _____

FILED IN 2001 JAN 16

DECLARATION AND POWER OF ATTORNEY

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I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:
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 the specification of which

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 was filed on _____ as Application Serial No. _____
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| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
| _____ (Number) | _____ (Country) | _____ (Day/Month/Year Filed) | _____ Yes | _____ No |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------------------|------------------------|--|
| _____ (Application Serial Number) | _____ (Filing Date) | _____ (Status) (patented, pending, abandoned) |
| _____ (Application Serial Number) | _____ (Filing Date) | _____ (Status) (patented, pending, abandoned) |

As a named inventor I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith as follows:

Manny W. Schecter, Registration No. 31,722, Lauren C. Bruzzone, Registration No. 35,082, Christopher A. Hughes, Registration No. 26,914, Edward A. Pennington, Registration No. 32,588, John E. Hoel, Registration No. 26,279, Joseph C. Redmond, Jr., Registration No. 18,753, Richard M. Ludwin, Registration No. 33,010, Douglas W. Cameron, Registration No. 31,596, Stephen C. Kaufman, Registration No. 29,551, Marian Underweiser, Registration No. 46,134, Wayne L. Ellenbogen, Registration No. 43,602, Robert M. Trepp, Registration No. 25,933, Louis P. Herzberg, Registration No. 41,500, Louis J. Percello, Registration No. 33,206, Paul J. Otterstedt, Registration No. 37,411, Daniel P. Morris, Registration No. 32,053, David M. Shofi, Registration No. 39,835 and Marc A. Ehrlich, Registration No. 39,966.

Send correspondence to: outside counsel attorney
 Direct Telephone Calls to: outside counsel attorney

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Patented by the U.S. Patent and Trademark Office

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ECONOMIC SUPPLY OPTIMIZATION SYSTEM
the specification of which

☒ is attached hereto
was filed on _____ as Application Serial No. _____
and was amended on _____ (if applicable).
I hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC. of 485 Seventh Avenue, New York, New York 10018
to insert here in parentheses (Application number _____, filed _____) the filing date
and application number of said application when known.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is known to me to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign and/or provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign and/or provisional application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

| PRIOR APPLICATION(S) | | | Priority claimed | |
|----------------------|-----------|------------------------|------------------|-------|
| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
| _____ | _____ | _____ | _____ | _____ |
| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |

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| | | |
|-----------------------------|---------------|---|
| _____ | _____ | _____ |
| (Application Serial Number) | (Filing Date) | (Status) (patented, pending, abandoned) |
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